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PENDING CLAIMS OF PATENT APPLICATION
NO. 09/388,090 UPON ENTRY OF PRESENT AMENDMENTS TECH CENTER 1600/2900



37. (Amended) An isolated DNA comprising a nucleotide sequence encoding an isolated NGSP polypeptide, which is a polypeptide of a *Neisseria* species with the proviso that said *Neisseria* species is not *N. meningitidis*, and which polypeptide has a molecular weight of about 40 kD to about 55 kD as determined in SDS polyacrylamide gel electrophoresis using glutamic dehydrogenase, carbonic anhydrase and myoglobin-blue as molecular weight markers.

38. (Twice Amended) An isolated DNA having the sequence of SEQ ID NO. 3.

39. (Amended) An isolated DNA encoding an NGSP polypeptide which comprises a nucleotide sequence that hybridizes at 68°C in 0.5M NaHPO₄ (pH 7.2) 1 mM EDTA/7% SDS or at 65°C in 6X SSC, 50 mM Tris-HCl (pH 7.5), 1 mM EDTA, 0.02% PVP, 0.02% Ficoll, 0.02% BSA or in 50% formamide/0.25 M NaHPO₄ (pH 7.2)/1 mM NaCl/1 mM EDTA/7% SDS to the sequence of SEQ ID NO. 3 or the complement thereof, wherein said complement is complementary to at least 25 contiguous nucleotides of SEQ ID NO. 3.

48. (New) An isolated nucleic acid encoding a fragment of a NGSP polypeptide said fragment comprising at least 7 amino acids and having an antigenic epitope of the amino acid sequence of the polypeptide encoded by SEQ ID NO. 3.

49. (New) An isolated nucleic acid encoding a NGSP polypeptide which specifically binds an antibody that specifically binds to a polypeptide encoded by SEQ ID NO. 3.

50. (New) A pharmaceutical composition comprising the isolated DNA of any one of claims 37, 38, 39, 48 or 49.

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51. (New) A recombinant expression vector comprising the isolated nucleic acid of any one of claims 37, 38, 39, 48 or 49.

52. (New) A host cell transformed with the recombinant vector of claim 51.

53. (New) A method of producing an NGSP polypeptide or fragment thereof, comprising culturing a host cell transformed with the recombinant vector of claim 51 and harvesting expressed NGSP polypeptide or fragment thereof.

